

**Notice of Allowability**

Application No.

10/729,985

Examiner

Boris Benenson

Applicant(s)

CHANG ET AL.

Art Unit

2836

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 7/05/2006.
2. ☒ The allowed claim(s) is/are 2-8.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some\* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- |   |  |
|---|--|
| 1. <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)   | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)            |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                | 6. <input type="checkbox"/> Interview Summary (PTO-413),<br>Paper No./Mail Date _____. |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),<br>Paper No./Mail Date _____ | 7. <input type="checkbox"/> Examiner's Amendment/Comment                               |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br>of Biological Material          | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance   |
|   | 9. <input type="checkbox"/> Other _____.   |

***Detailed Actions***

1. Amendment received on 7/05/2006 is entered.
  - a. The Specification is amended.
  - b. Claim 2 is amended.
  - c. Claim 1 is cancelled.
  - d. Claims 2-8 are pending in the Application.

***Allowable Subject Matter***

2. Claims 2-8 are allowed.

The following is an examiner's statement of reasons for allowance:

3. Independent Claims 2, 5 and 8 are allowable because none of the prior art of record disclose a voltage protection device wherein an input voltage from an adapter is supplied to input terminal of a first control module and outputted the input voltage to input terminal of a second control module when the input voltage is less than a preset maximum voltage in combination with the other claim limitations.
4. Claims 3 and 4 are dependent on Claim 2 and therefore allowable.

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5. Claims 6 and 7 are dependent on Claim 5 and therefore allowable.

***Related prior art.***

6. Thomas et al. (6,331,763) disclose a Device And Method For Protection Of Rechargeable Elements. The device provides protection from an overvoltage, an overcurrent and an undervoltage conditions. Thomas et al. teaches two protection elements (Fig. 2, Pos. 20, 22) connected in series between a charger (28) and a battery (24). In order for the charger to provide a charge to the battery both elements should be in "on" conditions. On Figure 24 show a circuit (Fig.24 Pos. 100) wherein an overvoltage protection module (102) and undervoltage protection module (Pos. 103) connected in series. Nevertheless none of Prior Art indicates a PDA comprising a main device for data processing with a socket for connecting to an adapter comprising an overvoltage protection module and undervoltage protection module are connected in series.

***Comments to reasons for allowance***

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid

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processing delays, should preferably accompany the issue fee.

Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

### **Contact information**

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Boris Benenson whose telephone number is (571) 272-2048. The examiner can normally be reached on M-F (8:20-6:00) First Friday Off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Brian Sircus can be reached on (571) 272-2800 ext 36. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on

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access to the Private PAIR system, contact the Electronic  
Business Center (EBC) at 866-217-9197 (toll-free).

Boris Benenson  
Examiner  
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B.B.

A handwritten signature in black ink, appearing to read "B. Sircus", with a stylized flourish at the end.

**BRIAN SIRCUS**  
**SUPERVISORY PATENT EXAMINER**  
**TECHNOLOGY CENTER 2836**